OMTD15H00/1E

OPERATOR'S MANUAL

TD-15H

SERIAL NUMBERS
32501 AND UP



DRESSTA Co. Ltd.
A JOINT VENTURE OF KOMATSU AMERICA INTERNATIONAL CO. AND HUTA STALOWA WOLA S.A

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RIPPER CONTROL LEVER

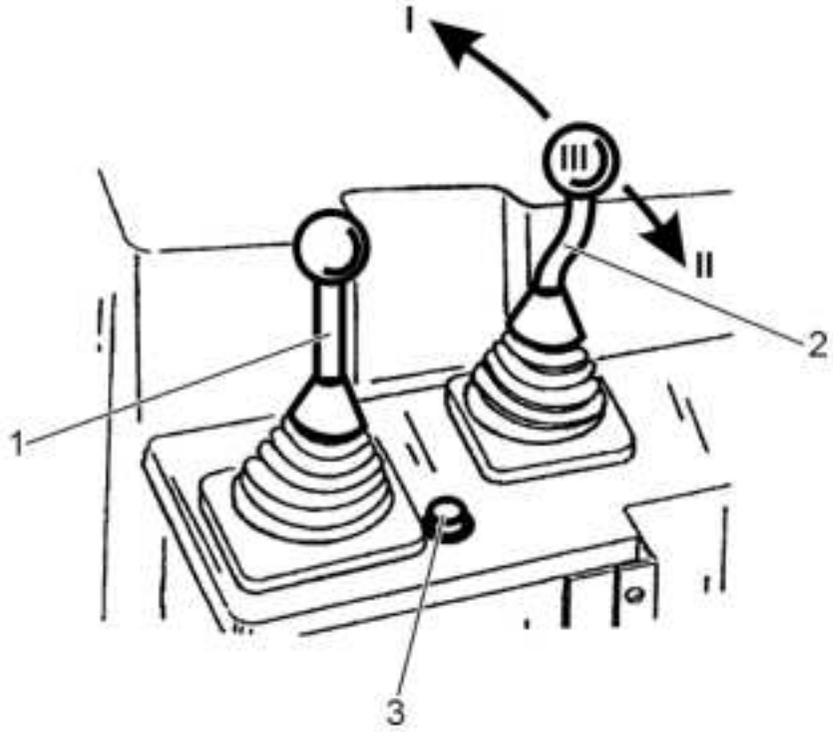


Fig. 4.14. Ripper Control Levers (2)

1. Blade Control Lever
2. Ripper Control Lever
3. Horn Button

I. Ripper Raise
II. Ripper Lower
III. Hold

NOTE: *For proper control of the ripper control lever and observation of working tool swivel the operator seat 15[°] to the right.*

4.6. STARTING THE ENGINE

IMPORTANT: *Before operating a machine perform each of the 10 hour maintenance requirements shown in Section 5.2. SCHEDULED MAINTENANCE. This engine cannot be started by towing, pushing or coasting the machine.*

WARNING! Before entering the operator s compartment, walk completely around the machine and clear the area of personnel and obstructions.

WARNING! Read all product graphics before starting, operating, maintaining, or repairing the machine.

WARNING! Understand all control functions before starting the engine.

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LUBRICATION

The life and performance of a tractor and its equipment depends on the service that it is given. Proper lubrication is an important part of maintenance service. Thorough lubrication service performed at specified intervals will aid in prolonging the life of a tractor and its equipment and in reducing operating expense. The type of work being done, load, ground and weather conditions are all factors to consider in frequency of lubrication.

The scheduled intervals between lubrication periods shown on the "SERVICE CHART" are approximate, based on average operating conditions. It may be necessary to lubricate after shorter working periods under severe operating conditions such as extreme dust, low engine temperatures, intermittent operation, excessively heavy loads with high oil temperatures, or when diesel fuel with a high sulfur content is used. However, the time intervals between lubrication periods must never exceed those indicated in this manual.

5.4.3. SELECTION

The selection of the proper type (specification) and the grade (weight or viscosity) of lubricant is important. Many tests have been made to determine the correct lubricants for this tractor and its equipment. Refer to "REFILL SPECIFICATION AND CAPACITIES CHART" for the recommended time intervals and grades of lubricants.

5.4.4. VISCOSITIES

During cold weather, base the selection of a crankcase lubricating oil viscosity on the lowest anticipated temperature for the day to make starting easier. For hot weather operation, base the selection on the highest anticipated temperature. Refer to the "REFILL SPECIFICATIONS AND CAPACITIES CHART".

5.4.5. RECOMMENDED LUBRICANT CHART

RECOMMENDED LUBRICANT	EQIVALENT LUBRICANT			TYPE
	POLISH	SHELL	TEXACO	
Engine oil per HMS B21-0002 or API CF-4/SG or MIL-L-2104D with sulfated ash of 1.85% maximum				
SAE 15W/40	AQUILA DIESEL TURBO CE/CF-4/SG SAE 15W/40	RIMULA TX 15W/40	URSA SUPER LA 15W/40	E01
SAE 10W/30		MYRINA TX 10W/30	URSA TDX 10W/30	
SAE 5W/40	HELIUS SAE 5W/40			
Engine oil per HMS B21-0003 or CD MIL-L-2104C				
SAE 10W	SUPEROL CD SAE 10W	ROTELLA TX 10W	URSA SUPER LA 10W	E02
SAE 30	SUPEROL CD SAE 30	ROTELLA TX 30	URSA SUPER LA 30	

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SPECIFICATIONS

6.3.8. OPERATION WEIGHTS (approximate)

A machine with mounted equipment (hydraulic tilt), operator, full fuel tank and standard equipment:

	TD-15H	TD-15H-LT
Blade	Semi-U	Semi-U
R.O.P.S.	19850 [kg]	20150 [kg]
Cab with A/C and ROPS	20250 [kg]	20550 [kg]

6.3.9. ELECTRIC SYSTEM

System voltage . . . . . 24 [V], negative ground
Batteries (maintenance-free) . . . . . two 12 [V]
Alternator . . . . . 50 [A]

6.3.10. FUEL CONSUMPTION

During intensive slot dozing tests in sandy soil (soil density app. 1.89 [t/m^{3}]) the average fuel consumption amounted to app. 37 [l/h].

Average operational fuel consumption.

The above specified fuel consumption value refers to a short period of intensive operation of the machine only. However, taking into consideration actual longer periods of machine operation fuel consumption value is considerably lower and can be estimated at the level of app. 28 [l/h].

6.4. SPECIAL TORQUES

No	Description of tightening place	Size of thread	Torque [Nm]	No of places
1	Main Harness to Pod at Rear of LH Console	4-40	0.7	4
2	Horn Switch Terminal (On RH Console)	8-32	1.8-3.4	2
3	Neutral Start & Engine Shutdown Switch Terminal	8-32	2	4
4	Back-up Alarm Terminal	8-32	2	2
5	Back-up Alarm Switch Terminal (In Console)	8-32	2	2
6	Cab Dome Light Mounting Screw	10-24	2	2
7	Transmission Filter Warning Light Switch	10-24	1.4-1.8	2
8	Hydraulic Filter Warning Light Switch	10-24	1.4-1.8	1
9	Cooling Temperature Sensor Terminal	10-32	2	1
10	Circuit Breaker Mounting Screw (On Hood Support)	10-32	2	2
11	Circuit Breaker Mounting Screw (On Instrument Panel)	10-32	2	10

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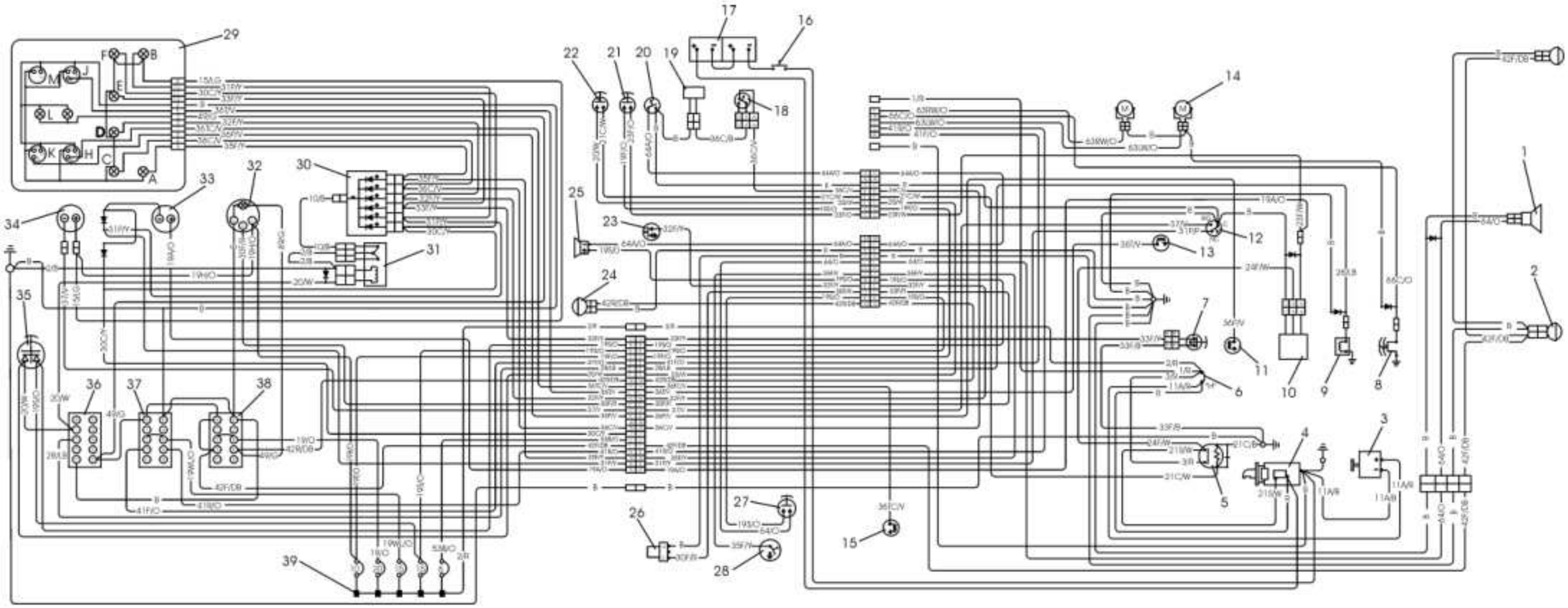


Fig. 6.6. Wiring Schematic

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